



## *Single filter cartridge housings in "lightweight construction" for commercial applications*

The ECOCART single filter cartridge housings from Eaton are characterized by their "lightweight construction" and are suitable for commercial applications.

These single filter cartridge housings are a particularly cost-effective solution for price-sensitive applications. ECOCART filter cartridge housings are made of stainless steel and are suitable for the use of DOE filter cartridges (double open ended) with a maximum outer diameter of 71 mm. The union nut is pulled over the housing sump and screwed to the housing head. Sealing is achieved by means of a NBR O-ring between the housing sump and the head.

### Features

- Housing head for inline installation with removable housing sump and union nut
- Electropolished surfaces inside and outside
- Parts in contact with product in stainless steel 1.4408/1.4571 (316/316Ti)
- Housing connections (inlet and outlet) in G 3/4" as well as in G 1" female thread DIN ISO 228-1
- Available with drainage (female thread G 3/8" DIN ISO 228-1 with screw plug), as well as without drainage
- Filter cartridges in double open ended (DOE) design with a maximum outer diameter of 71 mm can be used in lengths of 5", 9", 10", 20", 30" or 40"
- Maximum permissible operating pressure: 17 bar
- Maximum permissible operating temperature: 121°C

### Option

- NBR O-ring as standard for cover seal, optionally available in FKM

NBR: Nitrile Butadiene Rubber  
FKM: Fluoro Rubber



*Powering Business Worldwide*

# ECOCART Single Filter Cartridge Housings

## Applications

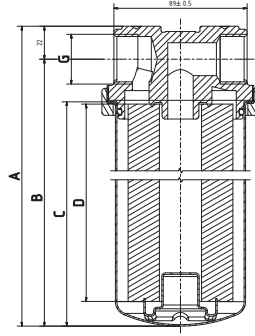
|                            |   |
|----------------------------|---|
| Coarse filtration > 500 µm |   |
| Medium filtration > 10 µm  | ✓ |
| Fine filtration < 10 µm    | ✓ |

|                       |   |
|-----------------------|---|
| Pre-filtration        | ✓ |
| Safety filtration     |   |
| High volume           |   |
| Batch filtration      | ✓ |
| Circuit filtration    | ✓ |
| Continuous filtration |   |

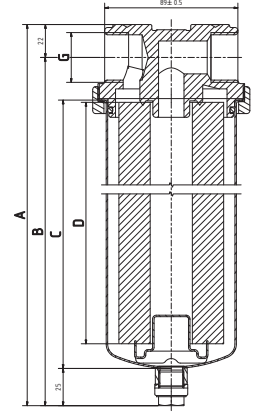
|                             |   |
|-----------------------------|---|
| Solvents, paints            |   |
| Fats and oils               |   |
| Catalysts, activated carbon |   |
| Acids, bases                |   |
| Petrochemicals              |   |
| Water, waste water          | ✓ |
| Chemical industry           | ✓ |
| Pharmaceuticals             |   |
| Metal cleaning              |   |
| Automotive industry         |   |
| Electronics                 |   |
| Food and beverage           |   |
| Paint and lacquer           |   |
| Water treatment             | ✓ |
| Galvanic industry           | ✓ |

## Types

EKF-1(...)-E-¾



EKF-1(...)-E-¾-A



## Dimensions (mm)

| Types | EKF-109-E-¾<br>EKF-109-E-1     | EKF-110-E-¾<br>EKF-110-E-1     | EKF-120-E-¾<br>EKF-120-E-1     | EKF-130-E-¾<br>EKF-130-E-1     | EKF-140-E-¾<br>EKF-140-E-1     |
|-------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| A     | 314                            | 320                            | 574                            | 828                            | 1,082                          |
| B     | 292                            | 298                            | 552                            | 806                            | 1,060                          |
| C     | 266                            | 272                            | 526                            | 780                            | 1,034                          |
| D     | 248                            | 254                            | 508                            | 762                            | 1,016                          |
| Types | EKF-109-E-¾-A<br>EKF-109-E-1-A | EKF-110-E-¾-A<br>EKF-110-E-1-A | EKF-120-E-¾-A<br>EKF-120-E-1-A | EKF-130-E-¾-A<br>EKF-130-E-1-A | EKF-140-E-¾-A<br>EKF-140-E-1-A |
| A     | 338                            | 344                            | 598                            | 852                            | 1,106                          |
| B     | 316                            | 322                            | 576                            | 830                            | 1,084                          |
| C     | 266                            | 272                            | 526                            | 780                            | 1,034                          |
| D     | 248                            | 254                            | 508                            | 762                            | 1,016                          |

The dimensions are for reference only and are approximate. Exact dimensions for installation purposes are available on request.

## Technical Data

| Types                          | Max. pressure (bar) | Max. temperature (°C) | Housing volume (l) | Housing weight (kg) | Length of filter cartridges in (mm) | Adapter filter cartridges | I/O connections                          |
|--------------------------------|---------------------|-----------------------|--------------------|---------------------|-------------------------------------|---------------------------|--|
| EKF-109-E-¾<br>EKF-109-E-1     | 17                  | 121                   | 1.51               | 3.30<br>3.21        | 9¾ (248)                            | DOE                       | G ¾" DIN ISO 228-1<br>G 1" DIN ISO 228-1 |
| EKF-110-E-¾<br>EKF-110-E-1     | 17                  | 121                   | 1.54               | 3.31<br>3.22        | 10 (254)                            | DOE                       | G ¾" DIN ISO 228-1<br>G 1" DIN ISO 228-1 |
| EKF-120-E-¾<br>EKF-120-E-1     | 17                  | 121                   | 2.98               | 3.84<br>3.75        | 20 (508)                            | DOE                       | G ¾" DIN ISO 228-1<br>G 1" DIN ISO 228-1 |
| EKF-130-E-¾<br>EKF-130-E-1     | 17                  | 121                   | 4.42               | 4.36<br>4.27        | 30 (762)                            | DOE                       | G ¾" DIN ISO 228-1<br>G 1" DIN ISO 228-1 |
| EKF-140-E-¾<br>EKF-140-E-1     | 17                  | 121                   | 5.87               | 4.89<br>4.80        | 40 (1,016)                          | DOE                       | G ¾" DIN ISO 228-1<br>G 1" DIN ISO 228-1 |
| EKF-109-E-¾-A<br>EKF-109-E-1-A | 17                  | 121                   | 1.51               | 3.37<br>3.28        | 9¾ (248)                            | DOE                       | G ¾" DIN ISO 228-1<br>G 1" DIN ISO 228-1 |
| EKF-110-E-¾-A<br>EKF-110-E-1-A | 17                  | 121                   | 1.54               | 3.29<br>3.29        | 10 (254)                            | DOE                       | G ¾" DIN ISO 228-1<br>G 1" DIN ISO 228-1 |
| EKF-120-E-¾-A<br>EKF-120-E-1-A | 17                  | 121                   | 2.98               | 3.90<br>3.82        | 20 (508)                            | DOE                       | G ¾" DIN ISO 228-1<br>G 1" DIN ISO 228-1 |
| EKF-130-E-¾-A<br>EKF-130-E-1-A | 17                  | 121                   | 4.42               | 4.43<br>4.34        | 30 (762)                            | DOE                       | G ¾" DIN ISO 228-1<br>G 1" DIN ISO 228-1 |
| EKF-140-E-¾-A<br>EKF-140-E-1-A | 17                  | 121                   | 5.87               | 4.96<br>4.87        | 40 (1,016)                          | DOE                       | G ¾" DIN ISO 228-1<br>G 1" DIN ISO 228-1 |

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